

BEGA**50 100**

Large-area luminaire for indoor use



Project · Reference number

Date

Product data sheet

Application

LED ceiling and wall luminaire · indoor luminaire
made of impact resistant synthetic diffuser and
metal housing.

Large-area luminaire with high light output and
high uniform light distribution.

Product description

Large-area LED luminaire »MAXIMA«
Metal luminaire mounting plate,
finish white enamel
Light-diffusing synthetic luminaire cover
Silicone gasket
Mounting plate with 2 key holes,
pitch circle \varnothing 220 mm and 3 elongated holes,
pitch circle \varnothing 790 mm, width 6 mm
Connecting terminals 2.5² · Plug system
Earth conductor terminal
Connecting terminal for digital control
LED power supply unit
220-240 V \sim 0/50-60 Hz
DALI controllable
A basic isolation exists between power cable
and control line
Safety class I
 – Safety mark
CE – Conformity mark
Weight: 16.5 kg

Inrush current

Inrush current: 50 A / 209 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:
B10A: 6 luminaires
B16A: 10 luminaires
C10A: 10 luminaires
C16A: 16 luminaires

Lamp

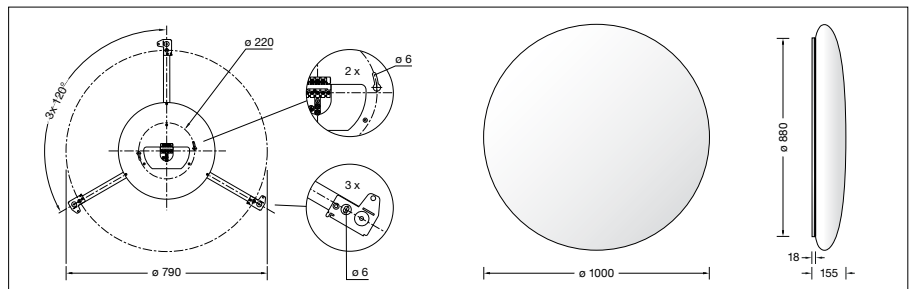
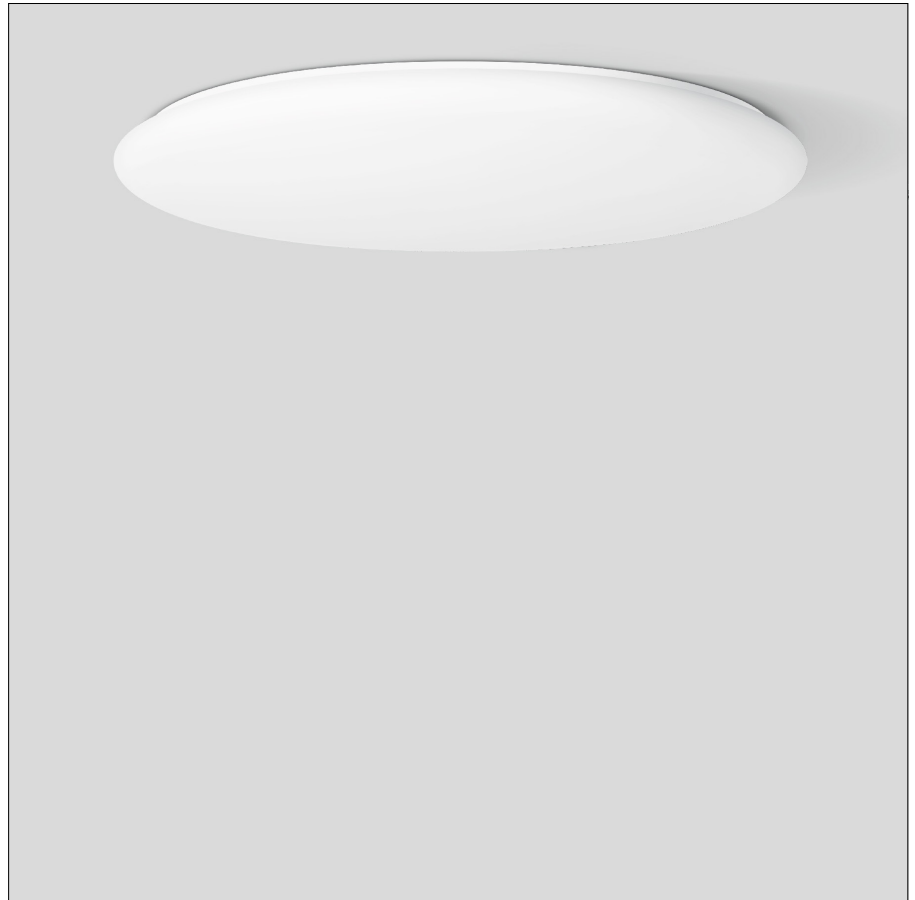
Module connected wattage	92.4 W
Luminaire connected wattage	101 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a, max} = 35$ °C

50 100 K3

Module designation	4x LED-0704/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	14960 lm
Luminaire luminous flux	12365 lm
Luminaire luminous efficiency	122,4 lm/W

50 100 K4

Module designation	4x LED-0704/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	15420 lm
Luminaire luminous flux	12745 lm
Luminaire luminous efficiency	126,2 lm/W



Service life · Ambient temperature

Ambient temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 50,000 h (L90 B50)

Ambient temperature $t_a = 35$ °C	
LED psu:	50,000 h
LED module:	> 200,000 h (L80 B50) 50,000 h (L90 B50)

Light technique

Luminaire data for the light planning program
DIALux for outdoor lighting, street lighting and
indoor lighting as well as luminaire data in
EULUMDAT- and IES-format you will find on the
BEGA web page www.bega.com.

Article No. 50 100

LED colour temperature optionally 3000 K
or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**